

Abstract of the Disclosure

A transmitting-receiving station for use in radio wave diversity comprises two antennas (21, 31), a distributor-composer (30), and a transceiver (40), and further comprises a phase prefixed-adjuster (22), a level prefixed-adjuster (23), and a delayed prefixed-adjuster (24) as one of prefixed adjusters supplied between the antenna (21) and the distributor-composer (30). The two antennas have a predetermined distance therebetween for use of space-diversity. The distributor-composer connects to the two antennas on one side and a transceiver on the other side, distributes a signal to be transmitted from the transceiver, and composes two signals to be received from the two antennas. The prefixed adjuster manually adjusts and fixes each two values of phases, levels, and delay times of the signals dependent of the two antennas respectively so as to be made the same value each other on a connecting point of the distributor-composer. The phase prefixed-adjuster has a construction being adjustable by slightly moving a position of an antenna connecting thereto to front and rear in a direction of the radio signal and performs an adjusting to the same phases each other. The level prefixed-adjuster comprises a plurality of fixed attenuators being set a level selection. The delay prefixed-adjuster comprises a plurality of fixed delay elements being set a level selection. By such composure, the prefixed adjuster easily controls a difference between signals receiving from two antennas respectively within a predetermined value for each of the phase, the level, and the delay. The prefixed adjusters may be supplied also between the antenna (31) and the distributor-composer (30).